

CLAIMS:

1. An electric shaver comprising:

an outer cutter in which a shaving surface that contacts the skin is formed in a ring shape and an inside surface of said shaving surface is formed as an outer cutter surface, and

an inner cutter in which a portion that makes sliding contact with said outer cutter surface is formed as an inner cutter surface, said inner cutter being connected to an inner cutter drive shaft so as to be rotated,

said outer cutter and said inner cutter being tiltably disposed with respect to a cutter frame that is disposed on an electric shaver main body; wherein

said inner cutter surface is formed as a convex surface that protrudes toward said outer cutter side, said outer cutter surface is formed as a concave surface that receives said convex surface of said inner cutter surface, and said inner cutter surface and said outer cutter surface are in an engagement with each other so as to prevent axial deviation of said inner cutter.

2. The electric shaver according to Claim 1, wherein said outer cutter and said inner cutter are disposed so that said outer and inner cutters are spaced apart from each other except for sliding contact portions of said outer cutter surface and said inner cutter surface.

3. The electric shaver according to Claim 1 or 2, wherein said inner cutter surface is formed as a convex curved surface.

4. The electric shaver according to Claim 1 or 2, wherein said outer cutter surface is formed, on at least a part thereof, with an outer cutter guide surface whose shape in cross section in a direction of diameter of said outer cutter is rectilinear, and said inner cutter surface is formed with an inner cutter guide surface which makes sliding contact with said outer cutter guide surface.

5. The electric shaver according to Claim 4, wherein said outer cutter guide surface has an angle of inclination θ which is substantially $30^\circ < \theta < 90^\circ$ with respect to a plane of rotation of said inner cutter.

6. The electric shaver according to Claim 1 or 2, wherein one or more concentric circular demarcating grooves are formed in said outer cutter, and said inner cutter surface is

formed in a shape that engages with said outer cutter surface demarcated by said demarcating grooves.

7. The electric shaver according to Claim 3, wherein said outer cutter surface is formed, on at least a part thereof, with an outer cutter guide surface whose shape in cross section in a direction of diameter of said outer cutter is rectilinear, and said inner cutter surface is formed with an inner cutter guide surface which makes sliding contact with said outer cutter guide surface.

8. The electric shaver according to Claim 7, wherein said outer cutter guide surface has an angle of inclination θ which is substantially $30^\circ < \theta < 90^\circ$ with respect to a plane of rotation of said inner cutter.

9. The electric shaver according to Claim 3, wherein one or more concentric circular demarcating grooves are formed in said outer cutter, and said inner cutter surface is formed in a shape that engages with said outer cutter surface demarcated by said demarcating grooves.

10. The electric shaver according to Claim 4, wherein one or more concentric circular demarcating grooves are formed in said outer cutter, and said inner cutter surface is formed in a shape that engages with said outer cutter surface demarcated by said demarcating grooves.

11. The electric shaver according to Claim 5, wherein one or more concentric circular demarcating grooves are formed in said outer cutter, and said inner cutter surface is formed in a shape that engages with said outer cutter surface demarcated by said demarcating grooves.

12. The electric shaver according to Claim 7, wherein one or more concentric circular demarcating grooves are formed in said outer cutter, and said inner cutter surface is formed in a shape that engages with said outer cutter surface demarcated by said demarcating grooves.

13. The electric shaver according to Claim 8, wherein one or more concentric circular demarcating grooves are formed in said outer cutter, and said inner cutter surface is formed in a shape that engages with said outer cutter surface demarcated by said demarcating grooves.